



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 3:51 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 402 Const Calendar Day: 123 Date: 05-Oct-2012 Friday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 06:45 AM 06:30 PM Break: 00:30 Over Time: 03:00

Federal ID:

Location:

Reviewer: Schmitt, Alex

Approved Date:

Status: Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition

Working Day ☒ If no, explain:

Diary:

Dispute

Phase-3 Load Transfer

Overview of Cable work today:

The following work was ongoing today on the Cable:

- Phase-3 load transfer (LT) continued
- Re-tensioning of cable band (CB) bolts
- Tensioning of suspender anchor rods continued

Today I was inspecting Gary Anderson's crew on the jacking of phase-3 suspender ropes, Obra Paulk's crew on tensioning of suspender anchor rods, & other misc inspection. See the diaries of L. Woo, S. Daouk (all labor entries on South cable work), & P. Jalali for additional details of the work on the South cable as they were also inspecting this work. See the diary of others for information on the North cable suspender jacking & CB bolt tensioning.

- I arrived at the pier 7 office at 06:45, & was on the bridge at 07:10. At this time, Gary's crew was dismantling jacking brackets from PP102S & installing the jacking brackets at PPs 104S & 108S. Obra's crew was tensioning suspender anchor rods.

- From 07:30 until 08:30, I was measuring the heights of the installed shim packs along the South cable. I measured the shim packs at PPs 98S 100S, & all of the measurements were very close to the theoretical shim heights, so there does not appear to be any installation mistakes at those PPs.

- From 08:30 until 09:30, I inspected the suspender anchor rod tensioning at PP46S (type 2 rods). The rods were tensioned to 2440 kN (3143 kN with seating loss), which equates to a jacking pressure of 21,700 psi on the bolt-tight tensioners. They cycled the pressure up to 21,700 psi 3 times, while running down the nut after each cycle. After the rods were tensioned, they installed the jam nuts using a knocker wrench below the full height nuts. The crews continued tensioning anchor rods in the South side-span, but this was inspected by S. Daouk & L. Woo. See their diaries for additional details.

- From 09:30 until 12:00, I inspected Gary's crew as they installed the jacking bracket equipment at PPs 104S & 108S. Also, I did some misc inspection of other items. I checked to see how close the Cable is to coming into contact with the Cable brackets at PP 112, 114, & 116. On both the North & South sides, the Cable is in contact with the outside edge of the Cable bracket at PP112. I discussed this with Roman Granados, & he mentioned that it may be an issue as the Cable continues to shift down & outward during jacking at nearby PPs. I spoke with ABF Engineer Adam Reeve, & he agreed that it needed to be addressed. He had the workers shift the position of the Cable brackets (they have slotted holes for adjustment) so that the brackets are no longer in contact with the Cable.

- From 12:00 until 12:30, I attended a Cable group safety meeting in the Caltrans field connex box. The topic was catwalk safety.

- From 12:30 until 15:00, I inspected Gary's crew as they installed the jacking bracket equipment at PPs 104S & 108S, & removed the jacking brackets from PP102S.



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Wright, Doug

Diary #: 402

Date: 05-Oct-2012

Friday

- From 15:00 until 16:45, Gary's crew installed the uphill & downhill suspender ropes at PP104S. See attached photo. The suspenders center marks were aligned with the CB top groove, & the long red inspection lines were oriented correctly (facing away from the center of the CB).
- At 17:00, the crews wrapped up their tools to end the shift.
- At 17:15, I left the bridge.
- From 17:30 until 18:00, I spoke with Roman Granados & Warren Collins to give them an update from the field, & to discuss inspection items for upcoming field work.
- From 18:00 until 18:30, I wrote my diary for the day, checked email, updated my vehicle mileage log, & submitted my timesheet for the week.

04-0120F4

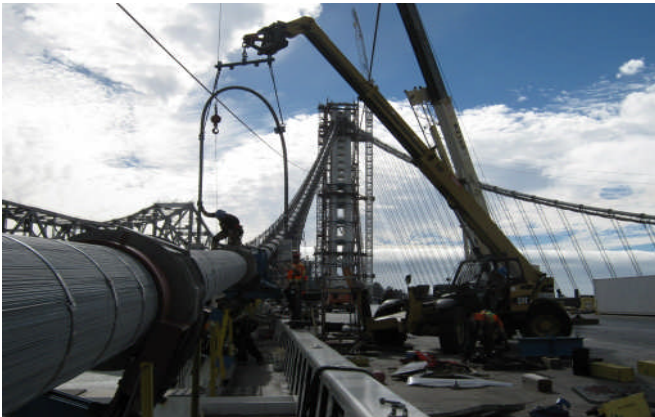
Bid Item: 067

C-SUS-BGS.067

Attach BG Lifts to Suspenders

AMERICAN BRIDGE/FLUOR, A JV

Attachment



Installation of suspender rope at PP 104S